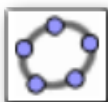












Mathematics software

Software	Features for teaching mathematics
<p><i>GeoGebra</i></p> 	<p><i>GeoGebra</i> is dynamic mathematics software for all levels of education that joins arithmetic, geometry, algebra and calculus. You can do constructions with points, vectors, intervals, lines and conic sections as well as functions and change them dynamically afterwards. Equations and coordinates can be entered directly. <i>GeoGebra</i> has the ability to deal with variables for numbers, vectors and points and finds derivatives and integrals of functions. <i>GeoGebra</i> dynamically links an expression in the algebra view to an object in the graphics view and vice versa. Dynamic html worksheets can be produced for students to investigate mathematics.</p> <p><i>GeoGebra</i> tutorials available at http://math247.pbworks.com/GeoGebra</p>
<p><i>Google SketchUp</i></p> 	<p><i>Google SketchUp</i> can create, modify and share 2D and 3D models.</p> <p><i>Google SketchUp</i> tutorials available at http://sketchup.google.com/training/videos.html</p>
<p><i>SMART Notebook</i></p> 	<p><i>SMART Notebook</i> software offers an array of tools and features to create, deliver and manage mathematics lessons. Virtual protractors, compasses and interactive learning objects such as virtual dice can assist in creating multimedia lessons for use on the interactive whiteboard. Personalising mathematics for students by annotating photos of students' solutions to problems is another useful feature.</p> <p><i>SMART Notebook</i> tutorials available at http://smarttech.com/trainingcenter/tutorials.asp</p>
<p><i>Microsoft Word</i></p> 	<p><i>MS Word</i> can be used to record data in tables, write justifications to problems and draw probability diagrams and mind maps using Smart Art.</p> <p><i>Microsoft Office</i> tutorials available at http://www.microsoft.com/education/tutorials.mspx</p>
<p><i>Microsoft Excel</i></p> 	<p><i>MS Excel</i> offers spreadsheet capability for data analysis, statistics and correlation with the added graphing facility of the chart wizard.</p> <p><i>Microsoft Office</i> tutorials available at http://www.microsoft.com/education/tutorials.mspx</p>

<p><i>Microsoft OneNote</i></p> 	<p><i>MS OneNote</i> is a useful application for students to record and capture lesson information, create and deliver mathematics notes, projects and presentations, and can be shared with other students and the teacher. It could be used effectively as the students' <i>eMaths</i> book for laptop learning.</p> <p><i>Microsoft Office</i> tutorials available at http://www.microsoft.com/education/tutorials.mspx</p>
<p><i>Microsoft PowerPoint</i></p> 	<p><i>MS PowerPoint</i> offers mathematics lesson presentation for teachers and assessment task presentation for students.</p> <p><i>Microsoft Office</i> tutorials available at http://www.microsoft.com/education/tutorials.mspx</p>
<p><i>Microsoft Math</i></p> 	<p>Microsoft Math offers a variety of tools for mathematics including a full-featured graphing calculator; step-by-step maths solutions; a formula and equation library; a measurement unit conversion tool; and a triangle solver to calculate sides and angles of triangles.</p> <p><i>Microsoft Math</i> demos available at http://www.microsoft.com/learningspace/Products.aspx?prod=math</p>
<p><i>Adobe Photoshop Elements</i></p> 	<p><i>Adobe Photoshop</i> is a digital photo editor useful for annotating photos of mathematics problems and students solving mathematics problems. For examples see <i>The Clinometer</i> lesson and <i>Gradients</i> activities. The webcam on the laptop can capture digital photos for editing.</p> <p><i>Adobe</i> tutorials available at http://www.adobe.com/designcenter/tutorials/</p>
<p><i>Adobe Premiere Elements</i></p> 	<p><i>Adobe Premiere Elements</i> is a digital video editor useful in mathematics for making short video clips of students solving mathematics problems which can be annotated or as an assessment task presentation tool for students. The webcam on the laptop can capture video for editing.</p> <p><i>Adobe</i> tutorials available at http://www.adobe.com/designcenter/tutorials/</p>
<p><i>Adobe Captivate</i></p> 	<p><i>Adobe Captivate</i> can be used by teachers to create short video tutorials of how to use software or complete a mathematics task on the laptop. It also has the capability of producing maths quick quizzes and simulations.</p> <p><i>Adobe</i> tutorials available at http://www.adobe.com/designcenter/tutorials/</p>